



COMPACT LEVELSWITCH FOR ALL FLUIDS

VIBRA-SWITCH "S"



- RUGGED AND COMPACT
- SHORT INSERT 47 MM
TILL EXTENSION OF 3 METER
- ALL STAINLESS HOUSING
- PRINCIPLE: VIBRATING
- HYGIENIC PROCESSCONNECTION
- MAINTENANCE FREE
- RELAY OR PNP OUTPUT
- POLISHED PROBES
- INTRINSICALLY SAFE

DESCRIPTION

The Vibra-Switch "S" is a rugged and compact levelswitch based on a vibrating probe. It can be used to produce a high or low level signal as well as pump control in all fluid types. Due to the high vibration frequency combined with the very rugged probe, the function will not be influenced by turbulence, airbubbles or system vibration. For all available process connections, please refer to ordering code on page 2. Insertion lengths for the units vary between 47 mm to 3 metres. Available options are: Intrinsically safe, Halar (ECTFE) coated or highly polished probes ($R_a < 0,5 \mu\text{m}$).

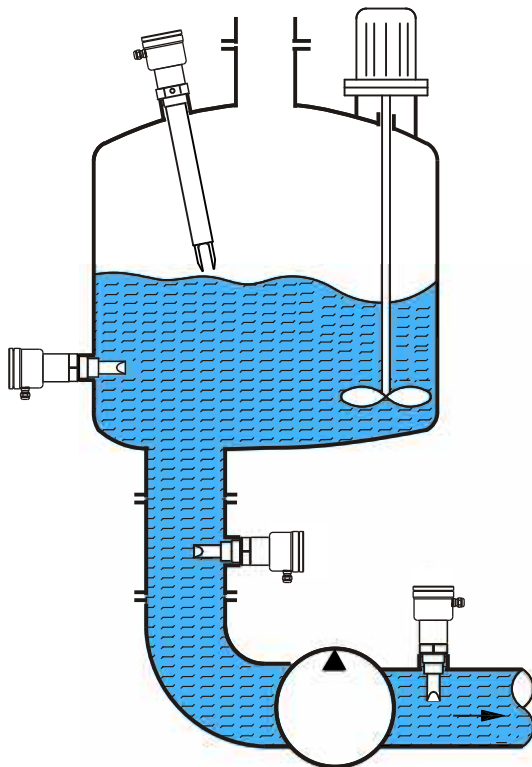


All stainless housing
and short insertion length (47 mm)

SPECIFICATIONS

Power supply	: 20 - 255 Vac 12 - 55 Vdc
Output	: 2-wire AC or DC 3-wire PNP / NPN
Process temperature	: - 40° C to +120° C
Ambient temperature	: - 40° C to + 70° C
Max. pressure	: -1 to +40 bar
Max. viscosity	: 10.000 mm ² /s (cSt)
Material probe	: AISI 316L (Ra < 1,5 µm)
Insertion length	: 47 mm, 100 mm... 3 m.
Protection	: IP67
Switch indication	: by internal LED
Process connections	: G1" (1" BSP) Standard for others, see ordercode

Specifications can change without notice

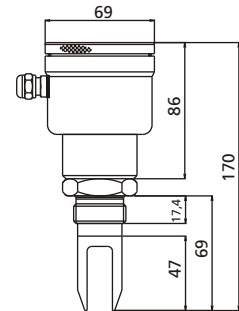


DIMENSIONS

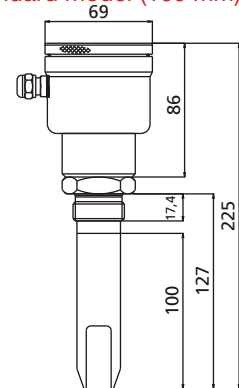
Extended model



Short model (47 mm)



Standard model (100 mm)



APPLICATIONS

Application examples are: (see drawing)

- Max. level detection in tank
- Min. level detection in tank
- Dry run protection of pumps
- Long version with extended insertion length for min./max. level detection.

ORDERING CODE

OPTIONS	CODE
Highly polished Ra < 0,5 µm	P
Halar (ECTFE) coated	E

VSS - [] - [] - [] - []

PROCESS CONNECTIONS	CODE
1" BSP (standard)	S
1" NPT	N
Milk coupling DN 40 (DIN11851)	M40
Milk coupling DN 50	M50
Tri clamp (1½" or 2")	L2"
Flange (Specify size)*	F
Special connection	X

INSERTION LENGTH	CODE
SHORT (47 mm)*	47
Standard (100 mm)	100
0.2 to 3 meter	0,2...3

* Insertion length with Tri-clamp process connection is 69 mm.

* Flanged connections are supplied with Vibra Switch, screwed (1" BSP) in flange.

OUTPUT	CODE
2-wire AC	1
3-wire PNP / NPN	3
2-wire DC	6
2-wire Ex	8